

Table III-2. Nitrification potential rate ($x + sd$) at four depths in the sediment during 1982-83 in the Pamlico River estuary (rates in nmoles NH_4^+ oxidized $\text{cm}^{-3}\text{d}^{-1}$; integrated rates in nmoles $\text{cm}^{-2}\text{d}^{-1}$). From Kuenzler et al. (1984).

Depth	Aug	Sept	Nov	Dec	Feb
0-1 cm	20	7 + 3	15 + 4	41 + 42	12 + 9
1-2 cm	36	11 + 4	14 + 3	50 + .5	21 + 3
2-4 cm	0	12 + 13	12 + 9	20 + 2	6 + 2
4-6 cm	0	0	2 + 1	7 + 2	3 + 1
Integrated Rate	<u>56</u>	<u>42</u>	<u>57</u>	<u>145</u>	<u>51</u>

Depth	Mar	Apr	May	June	July
0-1 cm	4 + 2	1 + 2	4 + .04	28 + 11	33 + 17
1-2 cm	10 + 6	2 + 2	0	1 + 1	0
2-4 cm	6 + 9	3 + 4	3 + 5	2 + 2	14 + 14
4-6 cm	6 + 5	0	3 + 4	1 + 2	5 + 1
Integrated Rate	<u>38</u>	<u>9</u>	<u>16</u>	<u>35</u>	<u>71</u>